

UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Project

Date

Author

TITLE

MEMORANDUM - REGIONAL FORESTER, OGDEN, UTAH  
Re: Fir Beetle Infestation, Red Fish  
Lake, Sawtooth National Forest

DEFB

by  
James C. Evenden  
Senior Entomologist

Forest Insect Laboratory  
Coeur d'Alene, Idaho  
November 1, 1940

SUBJECT-

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WASHINGTON, D. C.

Forest Insect Laboratory

Coeur d'Alene, Idaho

November 1, 1940

MEMORANDUM - REGIONAL FORESTER, OGDEN, UTAH

Re: Douglas Fir Beetle Infestation, Red Fish Lake, Sawtooth National Forest

Reference is made to my letter of September 24, 1940, for a description of this infestation.

As planned, an intensive survey under the direction of Mr. Terrell was made of this area on October 12 and 13. The data obtained are as follows:

Red Fish Lake Unit  
Sawtooth National Forest

|                                     |       |
|-------------------------------------|-------|
| Timbered acreage of unit            | 880   |
| Acres of sample plots               | 46.6  |
| Percent of total acreage covered    | 5.32  |
| Infested trees per acre sample plot | .62   |
| Green trees per acre sample plot    | 26.90 |
| Total number infested trees on unit | 545.  |
| Percent of stand killed 1940        | 2.3   |

The 1940 attacks of the Douglas fir beetle are confined to groups which vary from 10 to as many as 300 infested trees, which are mostly confined to the west side of the lake. The largest group of some 300 infested trees, which lies above the trail near the head of the lake, covers an area of approximately 40 acres. In this area the 1940 infestation has destroyed nearly 30 percent of the original volume.

On the east side of the lake there are only a few small areas of Douglas fir, and only one group of 25 infested trees was recorded. One infested windfall was found in this area.

To the west of the main body of Douglas fir along the west side of the lake there are several long, narrow (5 - 10 chains wide) strips of Douglas fir on the eastern exposure of a series of low ridges. These strips of Douglas fir seem to be quite free from insect attack, as only one small group of 5 red tops (1939 attacks) and one 1940-attacked tree was recorded.

Memo R.F., Ogden

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The map of this area which is enclosed will show the character of the survey and the general location of the infested area. Sample plots were not taken from the east side of the lake or in the areas to the extreme west. However, these portions of the unit were examined thoroughly by Mr. Terrell, who covered a larger percent of the total acreage than would have been obtained from sample plots.

In connection with the proposed treatment of these trees in the spring of 1941, their foliage will have faded sufficiently by that time to permit them to be recognized quite easily. This condition may eliminate the necessity for a 100 percent spotting of the area. It is difficult to estimate the funds that will be required for this project; however, I do not believe the trees can be felled, decked, and burned for less than \$4.00 per tree, or on the basis of an output of one tree per man day, if good labor is employed.

In the administration of this project this laboratory will extend the necessary cooperative service in the technical phases of the operation and in the training of personnel.

Respectfully submitted,

JAMES C. EVENDEN  
Senior Entomologist

Enclosure

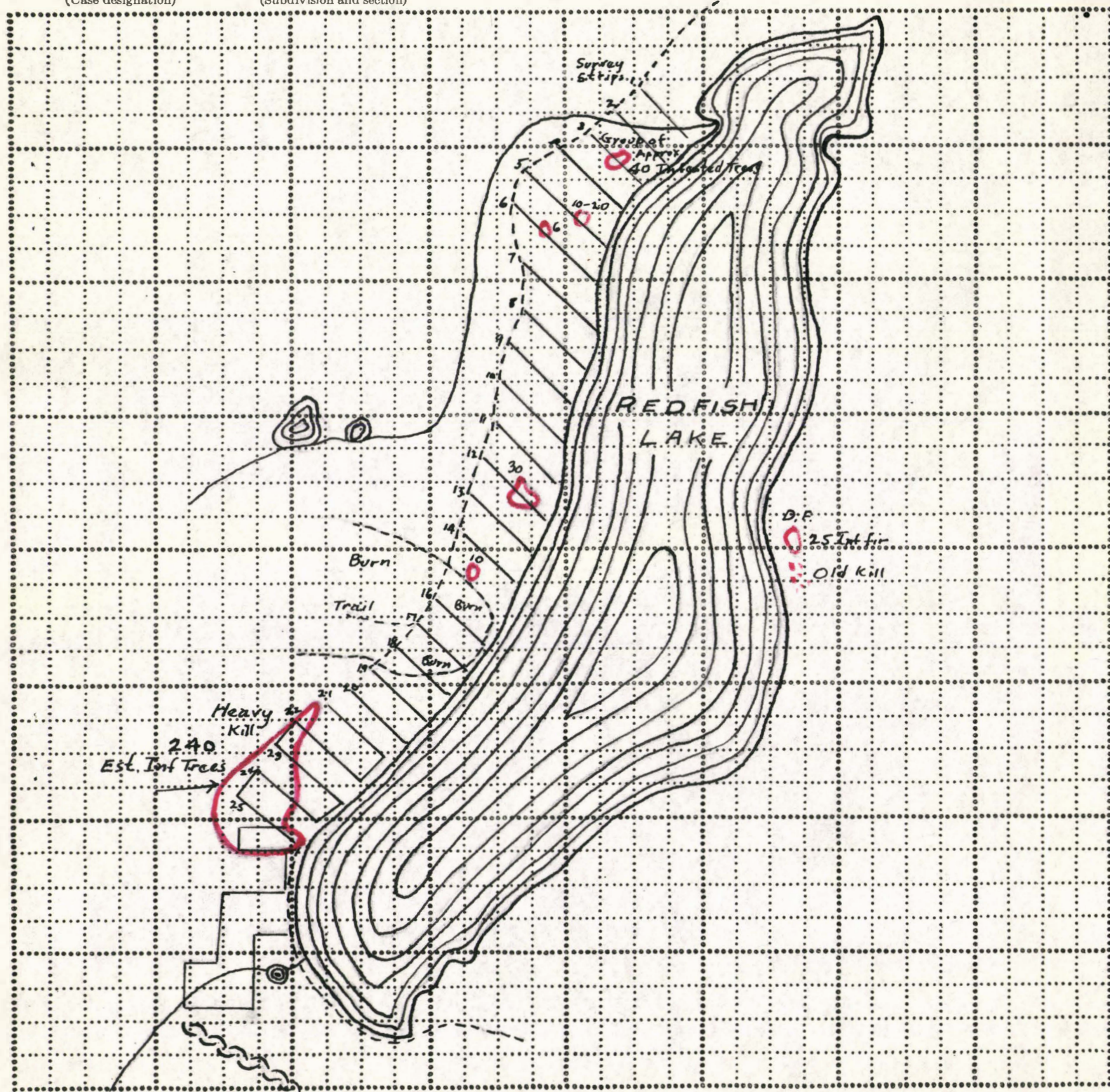
cc to Craighead (2), Sawtooth N. F. (2)



Area 880 acres

Mer. Scale 2 inches = 1 mile

inches = 1 mile



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